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	CLASSIFICATION	25.81	
	CENTRAL INTELLIGENCE AGENCY	REPORT NO.	
	INFORMATION REPORT	CD NO	
COUNTRY	East Germany	DATE DISTR. 9 November 1953	
SUBJECT	Production of "Parlanat" of Arzneimittelwerk Presden 25X1	NO OF PAGES 2	
PLACE ACQUIRED	25/(1	NO. OF ENCLS.	
DATE OF INFO		SUPPLEMENT TO REPORT NO.	
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25X1 🛼	Panlanat ANDO, which contains glycosides A, B, and C of Digitalis Lanata, is a preparation marketed by VEB Arzneimittelwerk-Dresden. It is supplied in totallet vials, containing O.1 mg. of total plycosides per tablet. Each vial costs 1.50 II (East). Packages containing up to 500 tablets are supplied to instibutions upon request.		
2	The procedure employed in the production of "Panlanzt" was developed by the research laboratory of the ADD. Development of a method for the production of this drug was given a high priority by the organization, even though the work was not fundamental research.		
3.	In the process employed, the raw drug was treated as follows:		
	a. Seventy-five kilograms of folia ligitalis lanata were milled to a coarse consistency and mixed by hand with 10.75 kilograms of sodium chloride. The mixing was continued further in a mixing machine producing a pewder with particle size equal to "Sieve A."		
	b. Forty-five kilograms of water and 37.5 kilograms of chopped atraw were added to the salt-crude drug mixture. Care had to be taken to insure a homogenous mixture. The addition of the water and chopped straw was carried out in a room with excellent ventilation fans as the procedure raised considerable amounts of the material in dust form. Straw was used rather than out hulls to prevent the loss of chloroform after the extraction process described in the next operation.		
	The mixture was placed in a 1000-liter vessel and 600-700 kilograms of chloroform were poured over it so that the mixture was completely covered. The material was allowed to stand for three days in a cold room. Chloroform was added after the first and second day to replace that which had evaporated. After the third day the chloroform was removed by filtration. The ressel was filled with 300-400 kilograms of fresh chloroform and the mixture was allowed to stand for another two days.		
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- do the chloroform extract was distilled off under vacuum at a heapersture not exceeding 10°C. The residue, a dark green city material, was treated with 8-10 kilograms of absolute other, prepared by drying the other over calcius chloride and sodius wire. The addition of eiter usually produced a light green, powerry precipitate which was carefully washed with other. Ether was added gradually until the product was sufficiently postary to permit filtration. After filtration the product was dried in a vacuum desicenter. During this procedure case had to be taken to avoid poissuing from the dried powder in dust form. The yield obtained was about 250 grams of Pfanlanat—material with an approximate content of 20 percent total glycosides. Other and chloroform used in the process were recovered by redistillation.
- e. The crude glycoside minture was further partified to obtain a Canlanatimaterial with 30 percent total glycosides. This higher percentage of
 purity was desirable becames the specificity of the Canlanati depended
 not only on the glycosides but also on the con-glycoside content since
 both fractions had physiological activity. Further partification was
 carried out by several precipitations of the material from chloreform
 solution by the addition of other, and with simulant-analysis. The ledjet
 Test was used to control the purity of the properation. The test consists
 of the treatment of the digitalia, throughout with alkaline picate acid.
 This produces a color effect which conforms to the Beers-Aughort Law.

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